

SQL Functions

NUMERIC FUNCTIONS

CEIL

Smallest integer greater than or equal to a decimal value

`CEIL(<value>)`

`SELECT CEIL(12345.67) FROM DUAL;`

FLOOR

Returns the largest integer less than or equal to a decimal value

`FLOOR(<string_or_column>)`

`SELECT FLOOR(12345.67) FROM DUAL;`

GREATEST

Returns the largest of multiple values

`GREATEST(<value>, <value>,)`

`SELECT GREATEST(9, 67.6, 10) FROM DUAL;`

LEAST

Returns the smallest of multiple values

`LEAST(<value>, <value>,)`

`SELECT LEAST(9, 67.6, 10) FROM DUAL;`

MOD

Returns the modulus of a number. Same as remainder except uses **FLOOR**

`MOD(<m_value>, <n_value>)`

`SELECT MOD(3, 2) FROM DUAL;`

`SELECT MOD(6, 2) FROM DUAL;`

POWER

Returns m_value raised to the n_value power

`POWER(<m_value>, <n_value>)`

`SELECT 2*2*2 FROM DUAL;`

`SELECT POWER(2,3) FROM DUAL;`

ROUND

Returns a value rounded to integer places

`ROUND(<value>, <integer>)`

`SELECT ROUND(3.1415926, 4) FROM DUAL;`

SQRT

Returns the square root of a number

`SQRT(<value>)`

`SELECT SQRT(2) FROM DUAL;`

2. STRING FUNCTIONS

LENGTH

String Length

`LENGTH(<string_or_column>)`

`SELECT LENGTH('Dan Morgan') FROM DUAL;`

Upper Case

`SELECT UPPER('Dan Morgan') FROM DUAL;`

Lower Case

`SELECT LOWER('Dan Morgan') FROM DUAL;`

Initial Letter Upper Case

`SELECT INITCAP('DAN MORGAN') FROM DUAL;`

CONCAT

Concatenate

`SELECT CONCAT('Dan ', 'Morgan') FROM DUAL;`

LTRIM

Left Trim

`SELECT LTRIM(' Dan Morgan ') FROM DUAL;`

RTRIM

Right Trim

`SELECT RTRIM(' Dan Morgan ') FROM DUAL;`

REVERSE

Reverse

`REVERSE(<string_or_column>)`

	<code>SELECT REVERSE('Dan Morgan') FROM DUAL;</code>
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SUBSTR

Sub String

	<code>SELECT SUBSTR('Life is beautiful', 6,2) FROM DUAL;</code>
--	---

3.DATE FUNCTIONS

SYSDATE

System Date

	<code>SELECT SYSDATE FROM DUAL;</code>
--	--

ADD_MONTHS

Add A Month To A Date

	<code>SELECT ADD_MONTHS(SYSDATE, 2) FROM DUAL;</code>
--	---

MONTHS_BETWEEN

Add A Month To A Date

	<code>SELECT MONTHS_BETWEEN(SYSDATE, '24-JUL-16') FROM DUAL;</code>
--	---

LAST_DAY

Returns The Last Date
Of A Month

	<code>SELECT LAST_DAY(SYSDATE) FROM DUAL;</code>
--	--

4. CONVERSION FUNCTIONS

TO_CHAR

Converts numbers /
dates into character

	<code>SELECT TO_CHAR(96584) FROM DUAL;</code> <code>SELECT LENGTH(TO_CHAR(96584)) FROM DUAL;</code>
--	--

TO_DATE

into SQL Date data type

```
SELECT TO_DATE('12-JUN-14') FROM DUAL;
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